

TT26D Digital Process meter

Instruction manual.

Thank you for purchasing the TT26D Digital process meter.

Before operation this instrument, please carefully read this manual and fully understand its contents. If you have any problems, please contact our sales team or relevant distributor. This manual is subject to change without prior notice.

Warning.

Please do not turn on the power supply until all of the wiring is completed.

Do not wire when the power is on. Do not connect the unused terminals. Do not turn on the power supply when cleaning this instrument. Do not disassemble, repair or modify the instrument. This may cause electrical shock, fire or malfunction.

Use this instrument in the scope of its specifications. Otherwise fire or malfunction may result.

The Cycle life of the output relay will differ according to its capacity and conditions. If use out of its scope, fire or malfunction may result.

Caution.

The operating temperature environment should be between 0 (32F) to 50 DegC (122F).

Avoid using this instrument in environment full of dust or caustic gas.

Avoid using this instrument in an environment with water , explosive oil and gas.

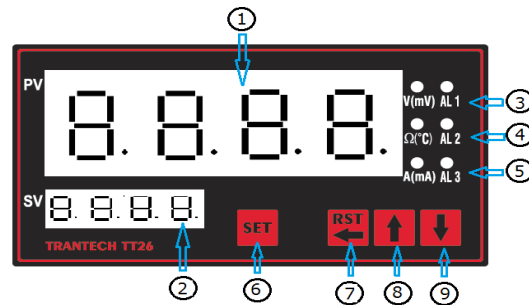
Instrument should be mounted in a dust free, water tight IP65 enclosure.

Functions.

The instrument can measure any range of current or voltage signal input. The user can select the display to display process value or peak value. The instrument can be use with 2 wire transmitters, Pressure sensor, Level sensors. 4 wire Load cells, Thermocouples and RTD's.

Isolated 24Vdc sensor power supply and Isolated 4-20mA retransmission signal .

Name of Parts.



- ① Measured value (PV)/ various parameter symbols
- ② Parameter value/Rate value/ct/AL1
- ③ Indication lamps for Alarm 1 and V (mV) input.
AL1 light on: Alarm (Closed) Off: No Alarm. (Open)
- ④ Indication lamps for Alarm 2 and Ω (°C) input.
AL2 light on: Alarm (Closed) Off: No Alarm. (Open)
- ⑤ Indication lamp Alarm 3 and A(mA) input.
- ⑥ Selection/Confirm key.
- ⑦ Shift/Clear /Reset key.

⑧ Up key.

⑨ Down key.

Input Signals Selection.

Input signal types	Range	Input impedance	Factory setting
A (AA/DA)	0-5A, 0-2A	CT configurable	Indicate when order
mA	0-1mA, 0-10mA, 4-20mA	<150 Ω	4-20mA
V (AV/DV)	0-5V, 0-10V, 0-500V	<200K Ω	DC 0-10V
mV	0-10mV, ±100mV	<2M Ω	0-75mV
Rt	0-400Ω 0-10K	<0.2mA	0-400 Ω
	Cu50 Cu100 -50-150°C		
Pt	-200-650°C	<0.2mA	Pt100
TC	K: 0-1320°C	<2M Ω	K
	J: 0 -1300°C		
	E: 0 -1000°C		
	T: -150-400°C		
	B: 0-1820°C		
	R: 0-1700°C		
S: 0-1600°C			

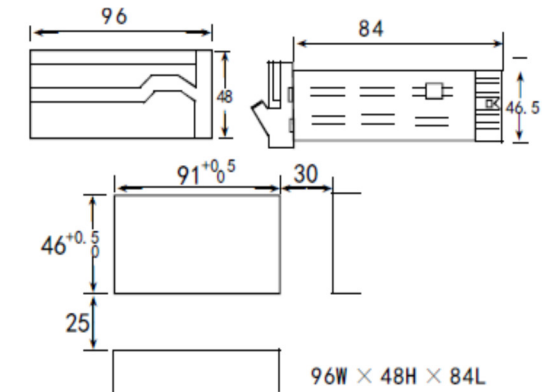
Models.

TT26D-220VAC Supply Voltage: 90-260 VAC/DC
Or
TT26D-24VDC Supply Voltage: 18 - 30 VAC/DC.

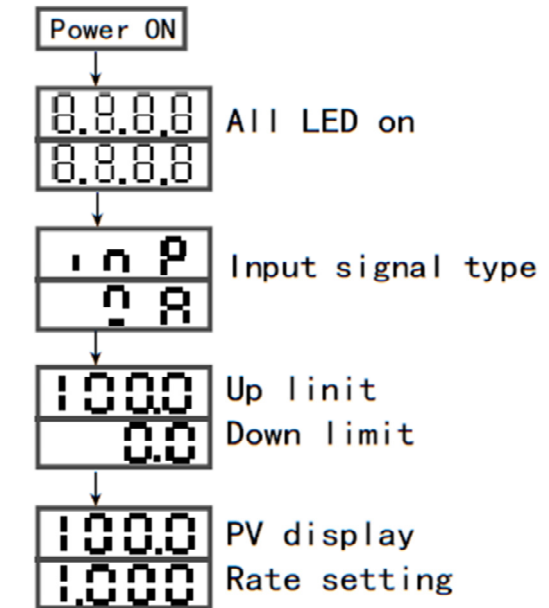
Specifications

Power supply	90-260V AC or 18-30V AC/DC
Consumption	≤5VA
Accuracy	0.3%F, S ± 2digit
Sampling rate	≤ 8 times/second
Alarm	Relay: NO AC 250V/3A or DC 30V/3A cos =1
Input	refer the input signal selection
Analogue	0-10V or 4-20mA, free set for control output range by software
Auxiliary Power	DC 12/24V/30mA
Communication	RS232 or RS485 for option

Dimensions



Operation process.

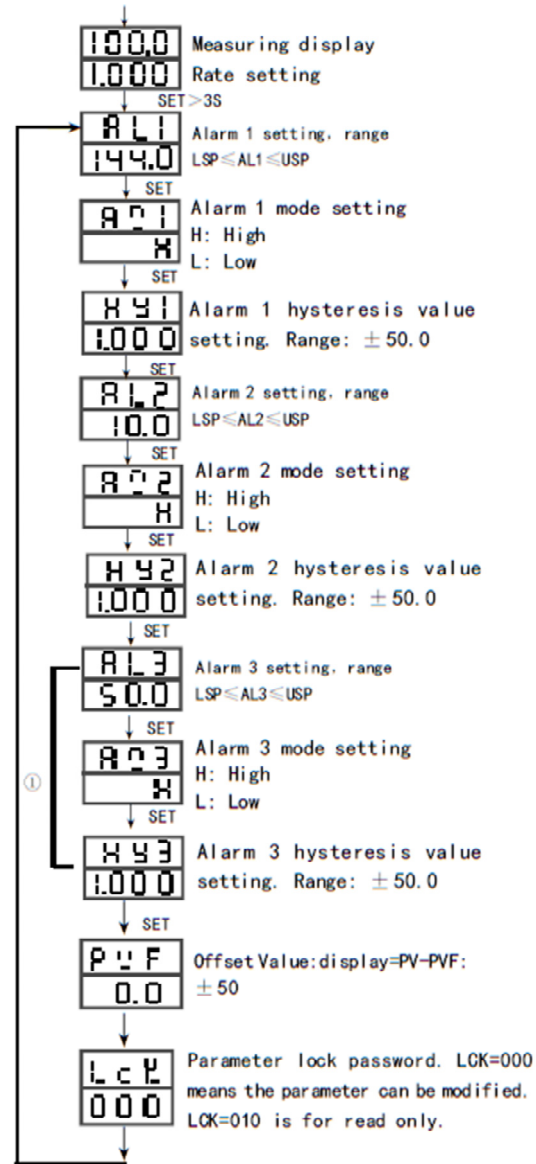


Parameter Setting.

Alarm setting:

- Press and hold SET key for more than 3 seconds.
- Enter alarm mode parameters setting menu.
- Press <</RST key, LED flashes.
- Press ↑↓ key to modify.
- Press SET key to confirm.
- Press SET key to scroll through other parameters one by one.

Alarm Parameter Settings.



Press ↑↓ key together for more than 3 seconds to enter second stage parameters setting.

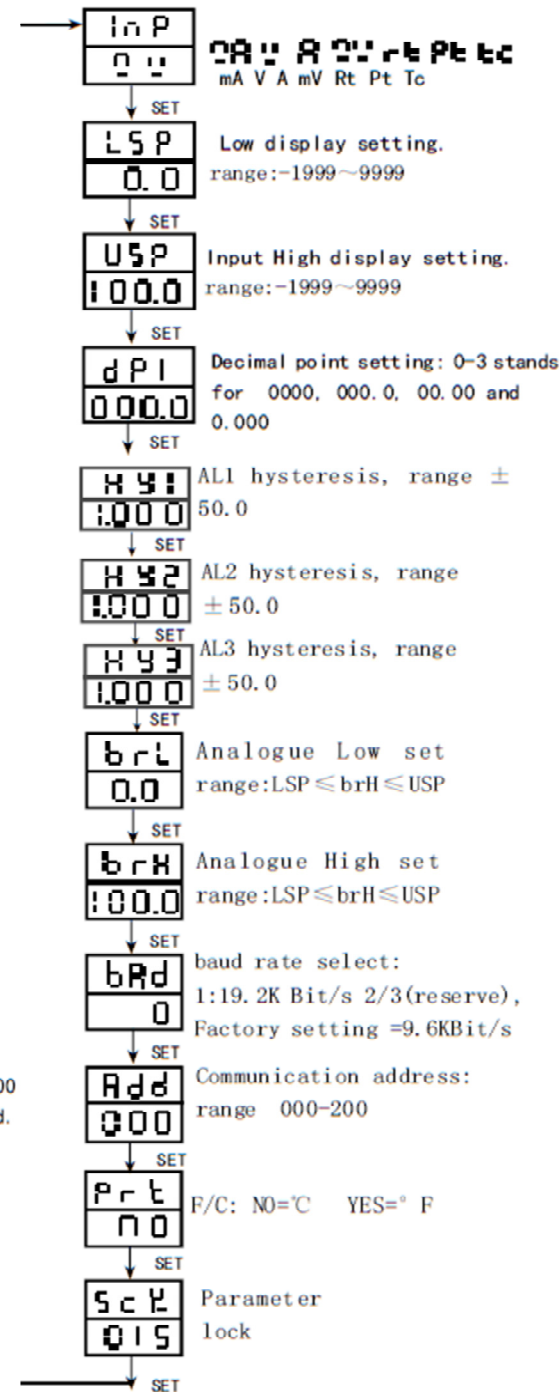
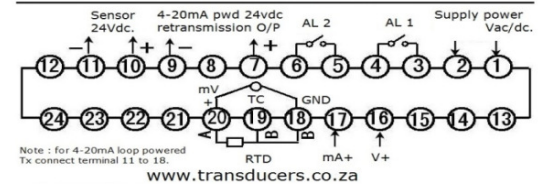


Diagram Connections.

TRANTECH - UNIVERSAL PROCESS METER
 Model : TT26D Part no : 0716/
 Input : TC/RTD/mA/mV/V.
 Analogue Re-transmission Output : 4-20 mA.
 Auxiliary Power : 24VDC.
 Accuracy : $\pm 0.3\%$ F.S ± 2 Digit.
 Supply Power : **AS per unit ordered.**



Note: Supply voltage for display is as per diagram on the unit supplied. **24VDC version or 220VAC version.**

Malfunction / Errors.

- ① No display: Check all the connections and wiring are connected correctly. Check power supply terminals and signal input terminals are connected.
- ② Wrong display: Check that the PVF value = 0.00 check if the input signal set for the correct input you require. For RTD input, please use low impedance cable. The 3 wires should be at the same length.
- ④ UUUU, LLLL: When the instrument displays "UUUU", it means the input signal exceeds the measured USP range. When the instrument displays "LLLL" it means the input signal is lower than the measured LSP range,

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